



# Missouri Department of Health and Senior Services

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Director



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**TO:** Missouri Local Public Health Agencies, Missouri U.S. Influenza Sentinel Surveillance Physicians, and Stakeholders

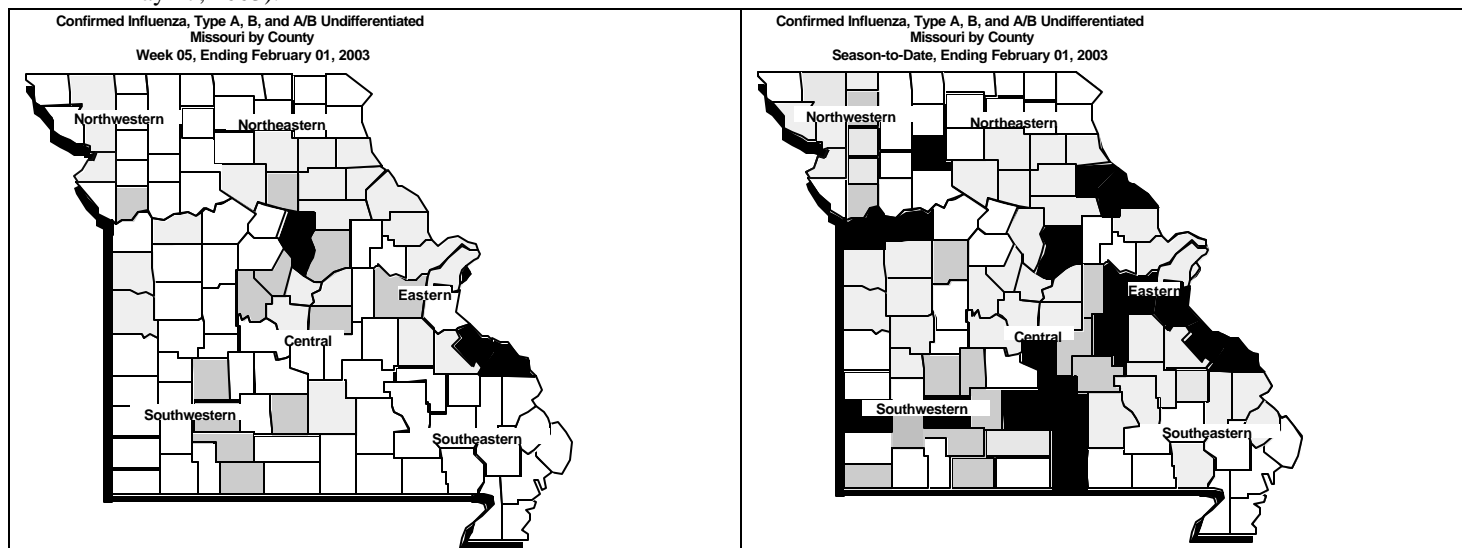
**FROM:** Libby A. Landrum, R.N., M.S.N., Influenza Coordinator  
Thomas D. Ray, Senior Epidemiology Specialist  
Section for Communicable Disease Prevention

**SUBJECT:** Weekly Missouri Influenza Report, 2002-2003 Season  
(All data in this report are provisional and may change as reports are updated.)

**DATE:** February 05, 2003  
Missouri is reporting "wide-spread influenza activity" to the Centers for Disease Control and Prevention.

| Reported Laboratory Confirmed Cases by Sub-type<br>For the Week Ending February 01, 2003 (Week 05) |                      |             |             |     |                                   |       |
|--|----------------------|-------------|-------------|-----|-----------------------------------|-------|
| Serogroups   | A<br>(non-<br>typed) | A<br>(H3N2) | A<br>(H1N1) | B   | A or B<br>Untyped<br>(rapid test) | Total |
| Week 05  | 8                    | 0           | 0           | 79  | 112                               | 199   |
| Season-to-Date*  | 56                   | 0           | 0           | 499 | 1,177                             | 1,732 |

\*The influenza season begins with week 40 (week ending October 5, 2002) and ends with week 20 (week ending May 17, 2003).



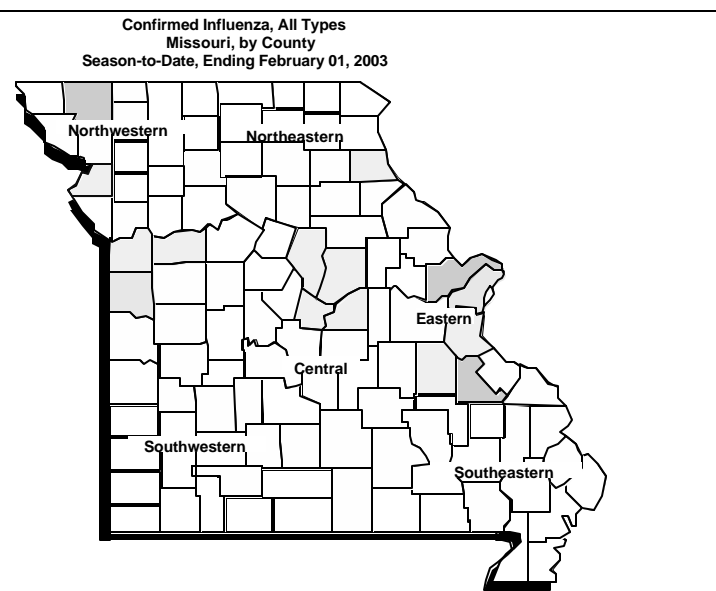
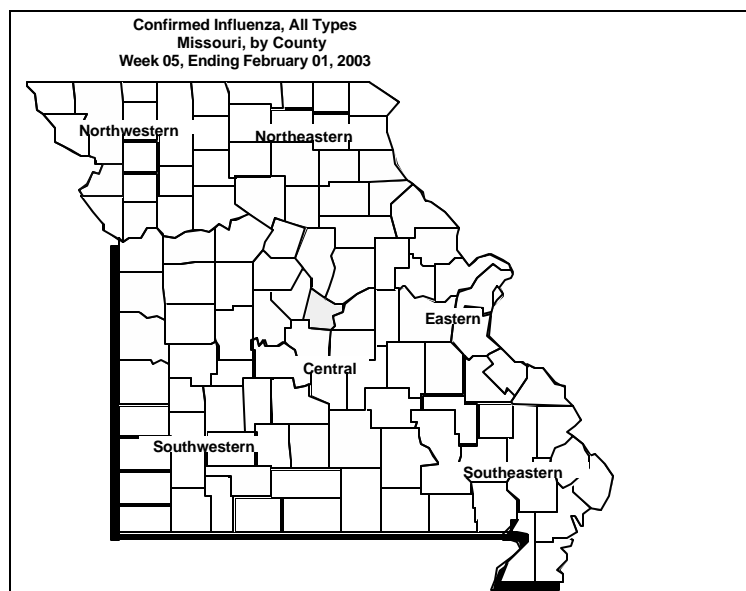
|                                     |               |                                     |                   |
|-------------------------------------|---------------|-------------------------------------|-------------------|
| <input type="checkbox"/>            | A and Untyped | <input type="checkbox"/>            | A only            |
| <input checked="" type="checkbox"/> | B and Untyped | <input checked="" type="checkbox"/> | B only            |
| <input type="checkbox"/>            | Untyped       | <input type="checkbox"/>            | A , B and Untyped |

|                                     |               |                                     |                   |
|-------------------------------------|---------------|-------------------------------------|-------------------|
| <input type="checkbox"/>            | A and Untyped | <input type="checkbox"/>            | A only            |
| <input checked="" type="checkbox"/> | B and Untyped | <input checked="" type="checkbox"/> | B only            |
| <input type="checkbox"/>            | Untyped       | <input type="checkbox"/>            | A , B and Untyped |

[www.dhss.state.mo.us](http://www.dhss.state.mo.us)

The Missouri Department of Health and Senior Services protects and promotes quality of life and health for all Missourians by developing and implementing programs and systems that provide: information and education, effective regulation and oversight, quality services, and surveillance of diseases and conditions.

AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER: Services provided on a nondiscriminatory basis.



|  |          |  |           |
|--|----------|--|-----------|
|  | 1 - 25   |  | 101 - 200 |
|  | 26 - 50  |  | 201 - 300 |
|  | 51 - 100 |  | 300 +     |

|  |          |  |           |
|--|----------|--|-----------|
|  | 1 - 25   |  | 101 - 200 |
|  | 26 - 50  |  | 201 - 300 |
|  | 51 - 100 |  | 300 +     |

| Clusters/Outbreaks of Influenza-like Illness    |         |         |    |    |    |                |                          |
|---|---------|---------|----|----|----|----------------|--------------------------|
| For the Week Ending February 01, 2003 (Week 05) |         |         |    |    |    |                |                          |
| Health District                                 | Central | Eastern | NW | SE | SW | Season-to-date | Last Year Season-to-date |
| School Closings                                 | 3       | 0       | 0  | 4  | 1  | 195            | 6                        |
| Community Outbreaks                             | 0       | 0       | 0  | 0  | 0  | 3              | 3                        |
| Long Term Care or Institutional Outbreaks       | 0       | 0       | 0  | 0  | 0  | 3              | 10                       |
| Other Outbreaks                                 | 0       | 0       | 0  | 0  | 0  | 0              | 0                        |
| Season-to-Date                                  | 51      | 3       | 80 | 23 | 44 | 201            | 19                       |

| Pneumonia and Influenza (P&I) Deaths           |                |                     |                       |
|--|----------------|---------------------|-----------------------|
| For the Week Ending January 25, 2003 (Week 04) |                |                     |                       |
| Week 04  | Season-to-Date | Week 04 Last Season | 10 Year Weekly Median |
| 33   | 452            | 24                  | 59*                   |

\* Prior to 1999, P&I data were collected from week 46 through week 17; therefore, the ten-year median will be noted only during those weeks.

| <b>U.S. Influenza Sentinel Physicians Surveillance Network (US ISPSN)</b>          |                     |                      |                    |  |                                |                        |
|--|---------------------|----------------------|--------------------|--|--------------------------------|------------------------|
| <b>Influenza-like Illness (ILI) for the Week Ending January 25, 2003 (Week 04)</b> |                     |                      |                    |  |                                |                        |
| <b>Age<br/>0-4</b>   | <b>Age<br/>5-24</b> | <b>Age<br/>25-64</b> | <b>Age<br/>65+</b> | <b>Total<br/>ILI<br/>Patients Seen</b> | <b>Total<br/>Patients Seen</b> | <b>Percent<br/>ILI</b> |
| <b>23</b>  | <b>63</b>           | <b>28</b>            | <b>1</b>           | <b>115</b>                             | <b>3,289</b>                   | <b>3.49%*</b>          |

\*This percentage is above the national baseline of 1.9%. Data received through the US ISPSN indicates that the percent ILI has been above the national baseline during week 45 (2.03%), week 48 (2.20%), week 49 (2.41%), week 50 (2.55%), week 51 (2.77%), week 52 (4.09%), week 01 (4.22%), week 02 (2.96%) and week 03 (4.79%).

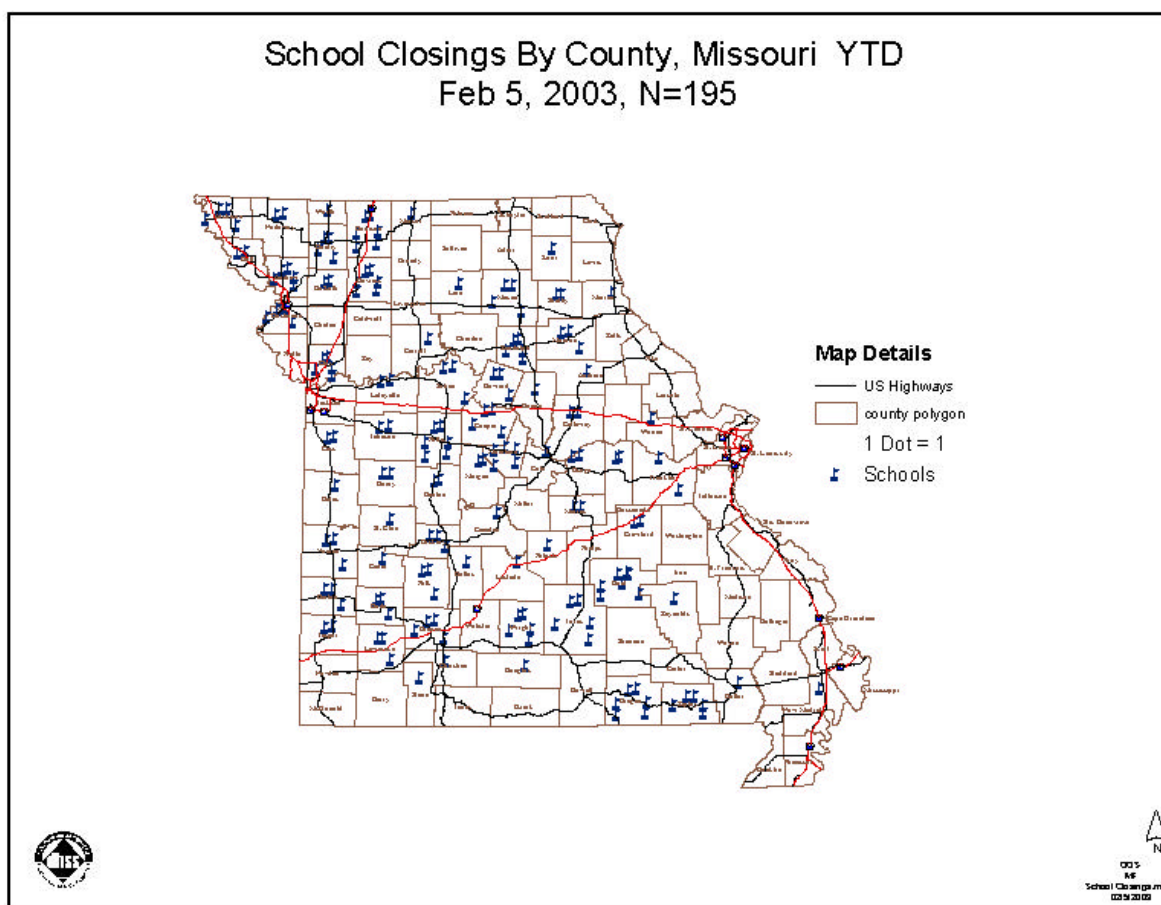
| <b>Respiratory Specimens Submitted to SPHL for Viral Testing</b> |                           |                            |  |                         |                         |                          |   |
|--|---------------------------|----------------------------|--|-------------------------|-------------------------|--------------------------|---|
| <b>For the Week Ending February 1, 2003 (Week 05)</b>            |                           |                            |  |                         |                         |                          |   |
|  | <b>Positive Specimens</b> |                            |  |                         |                         |                          | <b>Total<br/>Number<br/>Specimens<br/>Submitted</b> |
|  | <b>Influenza</b>          | <b>Para-<br/>influenza</b> | <b>Respiratory<br/>Syncytial<br/>Virus<br/>(RSV)</b> | <b>Adeno-<br/>virus</b> | <b>Rhino-<br/>virus</b> | <b>Entero-<br/>virus</b> |   |
| <b>Week 05</b>   | <b>26</b>                 | <b>0</b>                   | <b>0</b>   | <b>0</b>                | <b>0</b>                | <b>0</b>                 | <b>29</b>   |
| <b>Season-to-Date</b>  | <b>47</b>                 | <b>3</b>                   | <b>0</b>   | <b>2</b>                | <b>0</b>                | <b>3</b>                 | <b>165</b>  |

CDC antigenically characterizes a sample of positive Missouri influenza isolates, submitted through the Missouri Department of Health and Senior Services (DHSS), State Public Health Laboratory (SPHL). DHSS has received the results on two Missouri isolates. The isolates were antigenically similar to that of the reference strain influenza B/Hong Kong/330/2001. Influenza B/Hong Kong/330/2001 was the recommended B component of the 2002-03 influenza vaccine.

Sources of Data: Laboratory confirmed cases are reported to the Missouri Department of Health and Senior Services (DHSS) passive communicable disease surveillance system through the disease registry. Suspected influenza clusters and outbreaks are reported through the active surveillance system. Pneumonia and influenza deaths are reported through the DHSS Bureau of Vital Records. Influenza-like illness data by age category and total number of patient visits by week are reported voluntarily by participants in the U.S. Influenza Sentinel Physicians Surveillance Network.

This report may also be found on the DHSS Internet at: [www.dhss.state.mo.us/Influenza/index.html](http://www.dhss.state.mo.us/Influenza/index.html). National influenza surveillance information is available from the Centers for Disease Control and Prevention at: [www.cdc.gov/ncidod/diseases/flu/weekly.htm](http://www.cdc.gov/ncidod/diseases/flu/weekly.htm)

The Missouri Department of Health and Senior Services after hours number for reporting disease cases and emergencies is 1-800-392-0272.



School Closing Map submitted by Michael Fobbs, Epidemiology Specialist